

**North Carolina Department of Environment and Natural Resources**

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor  
William G. Ross Jr., Secretary

April 14, 2005

Ms. Jeryl Covinton  
Environmental Services Department  
Hugh Medford City Support Services Building  
401 Patton Avenue  
Greensboro, North Carolina 27406

RE: City of Greensboro White Street MSW Landfill, Phase III, Cell 3 Expansion, Permit  
Number: 41-12


Dear Ms. Covington:

Enclosed please find a Solid Waste Permit to Operate and Conditions of the Solid Waste Permit for the above referenced municipal solid waste landfill.

This permit approves the operation of Phase III, Cell 3 in addition to the two previously approved cells in Phase III. The Permit to Operate is valid for a five (5) year period from the date of issuance.

Please review the Conditions of Permit thoroughly. If you have any questions or need further clarification, please contact Tim Jewett at (336) 771-4608 Ext: 337 or Hugh Jernigan, Waste Management Specialist at ext. 385.

Sincerely,

  
Tim Jewett  
Western Area Engineer  
Permitting Branch  
Solid Waste Section

cc: Jim Barber  
Brent Rockett  
Hugh Jernigan  
Joe Readling, HDR Engineering, Inc.  
Greg Dingman, City of Greensboro  
Raleigh Central File: Guilford County Permit # 41-12

|                   |                          |      |         |                      |   |
|-------------------|--------------------------|------|---------|----------------------|---|
| Post-it® Fax Note | 7671                     | Date | 4/15/05 | # of pages           | 8 |
| To                | GREG DINGMAN             |      | From    | TIM JEWETT           |   |
| Co./Dept.         | GREENSBORO ENV. SERVICES |      | Co.     | NCDENR - SWS         |   |
| Phone #           | (336) 373-7600           |      | Phone # | (336) 771-4608 x 337 |   |
| Fax #             | (336) 373-7656           |      | Fax #   | (336) 771-4631       |   |



## North Carolina Department of Environment and Natural Resources

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FACILITY PERMIT NO: 41-12

Part 2 - Permit to Operate

Date of Original Issue: December 9, 1997

Amendment: May 15, 1998

Modification - Alternate Liner: June 14, 2001

Modification - Cell 3 Operation: April 14, 2005

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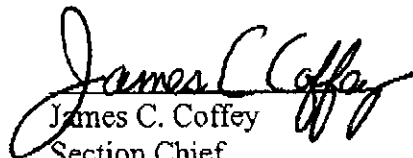
### MUNICIPAL SOLID WASTE LANDFILL FACILITY PERMIT

#### CITY OF GREENSBORO

is hereby issued a PERMIT to OPERATE a

MUNICIPAL SOLID WASTE LANDFILL FACILITY - PHASE III, Cells 1, 2, and 3

located at 2503 White Street, Greensboro, North Carolina in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located and described by the legal description of the site or the property map contained within the approved application.

  
James C. Coffey  
Section Chief  
Solid Waste Section

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## ATTACHMENT 3

### Approved Documents

#### PART I: GENERAL FACILITY

1. *The Expansion of the White Street Sanitary Landfill, Greensboro, North Carolina, Site Study*, prepared by HDR Engineering.
2. *The Phase III Expansion of the White Street Sanitary Landfill, Greensboro, North Carolina, Construction Permit Application*, dated November 1995, as revised, prepared by HDR Engineering, Inc.
3. Drawings entitled *Construction Permit Application Plans for Phase III Expansion, White Street Landfill*, as revised, prepared by HDR Engineering, Inc.

#### PART II: MUNICIPAL SOLID WASTE LANDFILL

4. *The Phase III Expansion of the White Street Sanitary Landfill, Greensboro, North Carolina, Construction Permit Application*, dated November 1995, as revised, prepared by HDR Engineering, Inc.
5. Drawings entitled *Construction Permit Application Plans for Phase III Expansion, White Street Landfill*, as revised, prepared by HDR Engineering, Inc.
6. *Certification Report for the White Street Landfill, Phase III, Cell 1 Expansion*, dated November 1977, as revised, prepared by HDR Engineering, Inc.
7. *Certification Report for the White Street Landfill, Phase III Cell 1 Expansion*, dated February 1998, as revised, prepared by HDR Engineering, Inc.
8. *Permit Modification for Phase III of the White Street Municipal Solid Waste Landfill*, dated February 2000, as revised, prepared by HDR Engineering, Inc.
9. *Certification Report, White Street Landfill, Phase III, Cell 2 Expansion*, dated February 2001, prepared by HDR Engineering, Inc.
10. *Certification Report, White Street Landfill, Phase III, Cell 3 Expansion*, dated December 2004, prepared by HDR Engineering, Inc.

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11. Transmittal dated January 3, 2005 from HDR Engineering, Inc. including the as-built survey drawing certifying liner and operational cover thicknesses (to be place in Appendix A of Document No. 10 above).
12. Transmittal dated March 16, 2005 from HDR Engineering, Inc. including draft response to comments letter, available photographs of construction phases, and HDPE pipe QC data (to be place in Appendix A of Document No. 10 above).
13. Letter dated April 1, 2005 from the City of Greensboro, North Carolina Finance Director, Richard Lusk, demonstrating Financial Assurance for the Cell 3 Expansion of the MSW Phase III.
14. Letter dated April 1, 2005 from Greg Dingman, Solid Waste Director for the City of Greensboro including boring logs and Phase III detection monitoring results for the Phase III groundwater monitoring wells.
15. Letter dated April 7, 2005 from HDR Engineering, Inc. including original draft of the response to comments letter dated 24 March 2005, response letter from Landsaver Environmental dated 24 March 2005, response to additional comments from HDR dated 7 April 2005, response from Brady Surveying dated 6 April 2005 (two drawings), additional response from Landsaver Environmental dated 7 April 2005, and information regarding Cell 3 subgrade rock issue prepared by HDR (to be place in Appendix A of Document No. 10 above).
16. Letter dated April 13, 2005 from HDR Engineering, Inc. including final response to comments and results of field investigations done by Landsaver Environmental performed 12 April 2005 (to be place in Appendix A of Document No. 10 above). *Some construction documentation was not available.*

**PART III: CONSTRUCTION AND DEMOLITION LANDFILL CONDITIONS**

**PART IV: LAND CLEARING AND INERT DEBRIS LANDFILL CONDITIONS**

**PART V: YARD WASTE CONDITIONS**

**PART VI: MISCELLANEOUS TREATMENT AND PROCESSING FACILITIES CONDITIONS**

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## ATTACHMENT 4

### Conditions of Permit to Operate

#### PART I: GENERAL FACILITY CONDITIONS

1. This permit shall be reviewed, pursuant to 15A NCAC 13B.0201(e), five (5) years from the issuance date of this permit to operate or the latest amendment.
2. In the event of conflicts between this Permit to Operate and previously issued conditions, the conditions of this Permit to Operate shall supersede previously issued conditions.
3. The solid waste management units within this facility shall conform to all operating procedures described in the approved plans, 15A NCAC 13B, and the conditions specified herein.
4. Additional conditions and revision of the approved documents or changes during the operation of the landfill require approval by the North Carolina Solid Waste Section.
5. On or before August 1 of each year, the permittee shall report the amount of waste received (in tons) at this facility and disposed of in the landfill units to the Solid Waste Section, on forms prescribed by the Section. This report shall include the following information:
  1. The reporting period shall be for the previous year, beginning July 1 and ending on June 30.
  2. the amount of waste received and landfilled in tons, compiled on a monthly basis by county or transfer station of origin and by specific waste type if diverted to a specific unit within the permitted facility; and
  3. The completed report shall be forwarded to the Regional Waste Management Specialist for the facility. A copy of the completed report shall be forwarded to the County Manager of each county from which waste was received.
6. Ground water quality at this facility is subject to the "Classifications and Water Quality Standards Applicable To The Groundwater of North Carolina", 15A NCAC 2L. this includes, but is not limited to, provisions for detection monitoring, assessment, and corrective action.

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**PART II: MUNICIPAL LANDFILL UNIT SPECIFIC CONDITIONS****GENERAL CONDITIONS**

7. This permit approves the operation of the municipal solid waste landfill unit as well as the on-site environmental management and protection facilities as described in the approved plans.
8. This permit is for operational approval of a five year permitted disposal capacity of approximately 3,885,000 cubic yards, consistent with the contours as shown in the approved plans.

**MONITORING AND REPORTING**

9. Ground water monitoring at this unit shall be as prescribed by the appropriate requirements of 15A NCAC 13B .1630-.1637 and the approved monitoring plan.
10. A readily accessible unobstructed path shall be cleared and maintained so that four-wheel drive vehicles may access monitoring well locations at all times.
11. A field log book which details all development, sampling, repair, and all other pertinent activities associated with each monitoring well and all sampling activities associated with each surface water and leachate sampling location shall be kept as part of the permanent facility record.
12. Records of all ground-water, surface water and leachate analytical data shall be kept as part of the permanent facility record.
13. Ground water monitoring wells and surface water sampling locations must be sampled for Appendix I constituents at least semi-annually according to the specifications outlined in the approved water quality monitoring plan and the current policies and guidelines of the Section in effect at the time of sampling.
14. Reports of the analytical data for each water quality sampling event shall be submitted to the Section within 60 days of the respective sampling event. Analytical data shall be submitted in a manner prescribed by the Section.
15. The four independent samples which comprise the initial baseline sampling event shall be collected from each ground water monitoring well and the report shall be submitted to the

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Section within six months after issuance of the Permit to Operate.

16. Untreated leachate shall be sampled and analyzed at least semi-annually concurrently with the ground and surface water sampling. The leachate shall be analyzed for all Appendix I constituents, pH, specific conductance, BOD and COD, phosphate, nitrate, and sulfate. Test results shall be submitted to the Section along with ground and surface water test results. In the event leachate is recirculated, additional leachate sampling may be required.

#### OPERATIONAL CONDITIONS

17. The landfill unit shall conform to all operating requirements described in the approved plans, 15A NCAC 13B .1626, and the conditions specified herein.
18. The use of alternative daily cover requires approval, prior to implementation, by the Solid Waste Section. Requests for alternative daily cover approval must include a comprehensive use and demonstration for the effectiveness plan developed according to Section guidelines and consistent with the approved plan. Plans which are approved by the Section will be incorporated into, and made a part of, the approved documents found in Attachment 3.
19. The use of leachate recirculation as a leachate management tool requires approval, by the Solid Waste Section, prior to implementation. Requests for leachate recirculation approval must include a comprehensive management plan developed according to Section guidelines and which is consistent with the approved operation plan. Plans which are approved by the Section will be incorporated into, and made a part of, the approved documents found in Attachment 3.
20. The MSWLF unit is permitted to co-dispose of wastewater treatment sludges generated within the facility's approved service area, and subject to the terms and procedures of the approved plan.
21. Closure or partial closure of any MSWLF unit shall be in accordance with the Closure Plans described in the approved plans and 15A NCAC 13B .1629. Final Closure Plans shall be submitted to the Division at least 90 days prior to implementation. Closure and Post-closure plans, including financial instruments shall be updated annually pursuant to 15A NCAC 13 B. .1628.

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**PART III: CONSTRUCTION AND DEMOLITION DEBRIS UNIT SPECIFIC  
CONDITIONS**

**PART IV: LAND CLEARING AND INERT DEBRIS UNIT SPECIFIC CONDITIONS**

**PART V: YARD WASTE UNIT SPECIFIC CONDITIONS**

**PART VI: MISCELLANEOUS TREATMENT AND PROCESSING UNIT SPECIFIC  
CONDITIONS**

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